

8-20-01

A

PTO/SB/05 (11-00)

Approved for use through 10/31/2002 OMB 0651-0032

U S Patent and Trademark Office, U S DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

Please type a plus sign (+) inside this box → ☐

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. MI22-1676

First Inventor Charles H. Dennison

Title Semiconductor Processing Methods...

Express Mail Label No. EL 844 047604

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents.

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)
2. ☐ Applicant claims small entity status.
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 25]
(preferred arrangement set forth below)
 - Descriptive title of the invention
 - Cross Reference to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings (if filed)
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C. 113) [Total Sheets 6]
5. Oath or Declaration [Total Pages 2]
 - a. ☒ Newly executed (original or copy)
Copy from a prior application (37 CFR 1.63 (d))
 - b. ☐ (for continuation/divisional with Box 18 completed)
 - i. ☐ **DELETION OF INVENTOR(S)**
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)
6. ☐ Application Data Sheet. See 37 CFR 1.76

7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission (if applicable, all necessary)
 - a. ☐ Computer Readable Form (CRF)
 - b. Specification Sequence Listing on:
 - i. ☐ CD-ROM or CD-R (2 copies); or
 - ii. ☐ paper
 - c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement (when there is an assignee) ☐ Power of Attorney
11. ☐ English Translation Document (if applicable)
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503) (Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s) (if foreign priority is claimed)
16. ☐ Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent.
17. ☒ Other: Check for fees

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP)

of prior application No. /

Prior application information

Examiner

Group Art Unit

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

☒ Customer Number or Bar Code Label

021567

or ☐ Correspondence address below

Name

Address

City

State

Zip Code

Country

Telephone

Fax

Name (Print/Type)

David G. Latwesen, Ph.D.

Registration No. (Attorney/Agent)

38,533

Signature

Date

August 16, 2001

Burden Hour Statement This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U S Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS SEND TO Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231

EL 844047604

PTO/SB/17 (12/99)

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

<h1 style="text-align: center;">FEE TRANSMITTAL</h1> <h2 style="text-align: center;">for FY 2000</h2> <p style="text-align: center;"><i>Patent fees are subject to annual revision. Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12 See 37 C.F.R. §§ 1.27 and 1.28</i></p>		Complete if Known		
		Application Number	Filed Herewith	
		Filing Date		
		First Named Inventor	Charles H. Dennison	
		Examiner Name		
TOTAL AMOUNT OF PAYMENT (\$)		1532	Attorney Docket No.	MI22-1676

METHOD OF PAYMENT (check one)		FEE CALCULATION (continued)																																																																																																																																																																																											
1. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to: Deposit Account Number: <u>23-0925</u> Deposit Account Name: <u>Wells, St. John</u> <input checked="" type="checkbox"/> Charge Any Additional Fee Required Under 37 CFR §§ 1.16 and 1.17		3. ADDITIONAL FEES <table border="1"> <thead> <tr> <th>Large Fee Code</th> <th>Entity Fee (\$)</th> <th>Small Fee Code</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>105</td><td>130</td><td>205</td><td>65</td><td>Surcharge - late filing fee or oath</td><td>0.00</td></tr> <tr><td>127</td><td>50</td><td>227</td><td>25</td><td>Surcharge - late provisional filing fee or cover sheet</td><td>0.00</td></tr> <tr><td>139</td><td>130</td><td>139</td><td>130</td><td>Non-English specification</td><td>0.00</td></tr> <tr><td>147</td><td>2,520</td><td>147</td><td>2,520</td><td>For filing a request for reexamination</td><td>0.00</td></tr> <tr><td>112</td><td>920*</td><td>112</td><td>920*</td><td>Requesting publication of SIR prior to Examiner action</td><td>0.00</td></tr> <tr><td>113</td><td>1,840*</td><td>113</td><td>1,840*</td><td>Requesting publication of SIR after Examiner action</td><td>0.00</td></tr> <tr><td>115</td><td>110</td><td>215</td><td>55</td><td>Extension for reply within first month</td><td>0.00</td></tr> <tr><td>116</td><td>380</td><td>216</td><td>190</td><td>Extension for reply within second month</td><td>0.00</td></tr> <tr><td>117</td><td>870</td><td>217</td><td>435</td><td>Extension for reply within third month</td><td>0.00</td></tr> <tr><td>118</td><td>1,360</td><td>218</td><td>680</td><td>Extension for reply within fourth month</td><td>0.00</td></tr> <tr><td>128</td><td>1,850</td><td>228</td><td>925</td><td>Extension for reply within fifth month</td><td>0.00</td></tr> <tr><td>119</td><td>300</td><td>219</td><td>150</td><td>Notice of Appeal</td><td>0.00</td></tr> <tr><td>120</td><td>300</td><td>220</td><td>150</td><td>Filing a brief in support of an appeal</td><td>0.00</td></tr> <tr><td>121</td><td>260</td><td>221</td><td>130</td><td>Request for oral hearing</td><td>0.00</td></tr> <tr><td>138</td><td>1,510</td><td>138</td><td>1,510</td><td>Petition to institute a public use proceeding</td><td>0.00</td></tr> <tr><td>140</td><td>110</td><td>240</td><td>55</td><td>Petition to revive - unavoidable</td><td>0.00</td></tr> <tr><td>141</td><td>1,210</td><td>241</td><td>605</td><td>Petition to revive - unintentional</td><td>0.00</td></tr> <tr><td>142</td><td>1,210</td><td>242</td><td>605</td><td>Utility issue fee (or reissue)</td><td>0.00</td></tr> <tr><td>143</td><td>430</td><td>243</td><td>215</td><td>Design issue fee</td><td>0.00</td></tr> <tr><td>144</td><td>580</td><td>244</td><td>290</td><td>Plant issue fee</td><td>0.00</td></tr> <tr><td>122</td><td>130</td><td>122</td><td>130</td><td>Petitions to the Commissioner</td><td>0.00</td></tr> <tr><td>123</td><td>50</td><td>123</td><td>50</td><td>Petitions related to provisional applications</td><td>0.00</td></tr> <tr><td>126</td><td>240</td><td>126</td><td>240</td><td>Submission of Information Disclosure Stmt</td><td>0.00</td></tr> <tr><td>581</td><td>40</td><td>581</td><td>40</td><td>Recording each patent assignment per property (times number of properties)</td><td></td></tr> <tr><td>146</td><td>690</td><td>246</td><td>345</td><td>Filing a submission after final rejection (37 CFR § 1.129(a))</td><td>0.00</td></tr> <tr><td>149</td><td>690</td><td>249</td><td>345</td><td>For each additional invention to be examined (37 CFR § 1.129(b))</td><td>0.00</td></tr> <tr><td colspan="5">Other fee (specify) <u>Assignment Recordation</u></td><td>40.00</td></tr> <tr><td colspan="5">Other fee (specify) _____</td><td>0.00</td></tr> <tr> <td colspan="5">Reduced by Basic Filing Fee Paid</td> <td>SUBTOTAL (3) (\$)</td> </tr> <tr> <td colspan="5"></td> <td>40.00</td> </tr> </tbody> </table>		Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid	105	130	205	65	Surcharge - late filing fee or oath	0.00	127	50	227	25	Surcharge - late provisional filing fee or cover sheet	0.00	139	130	139	130	Non-English specification	0.00	147	2,520	147	2,520	For filing a request for reexamination	0.00	112	920*	112	920*	Requesting publication of SIR prior to Examiner action	0.00	113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	0.00	115	110	215	55	Extension for reply within first month	0.00	116	380	216	190	Extension for reply within second month	0.00	117	870	217	435	Extension for reply within third month	0.00	118	1,360	218	680	Extension for reply within fourth month	0.00	128	1,850	228	925	Extension for reply within fifth month	0.00	119	300	219	150	Notice of Appeal	0.00	120	300	220	150	Filing a brief in support of an appeal	0.00	121	260	221	130	Request for oral hearing	0.00	138	1,510	138	1,510	Petition to institute a public use proceeding	0.00	140	110	240	55	Petition to revive - unavoidable	0.00	141	1,210	241	605	Petition to revive - unintentional	0.00	142	1,210	242	605	Utility issue fee (or reissue)	0.00	143	430	243	215	Design issue fee	0.00	144	580	244	290	Plant issue fee	0.00	122	130	122	130	Petitions to the Commissioner	0.00	123	50	123	50	Petitions related to provisional applications	0.00	126	240	126	240	Submission of Information Disclosure Stmt	0.00	581	40	581	40	Recording each patent assignment per property (times number of properties)		146	690	246	345	Filing a submission after final rejection (37 CFR § 1.129(a))	0.00	149	690	249	345	For each additional invention to be examined (37 CFR § 1.129(b))	0.00	Other fee (specify) <u>Assignment Recordation</u>					40.00	Other fee (specify) _____					0.00	Reduced by Basic Filing Fee Paid					SUBTOTAL (3) (\$)						40.00
Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																								
105	130	205	65	Surcharge - late filing fee or oath	0.00																																																																																																																																																																																								
127	50	227	25	Surcharge - late provisional filing fee or cover sheet	0.00																																																																																																																																																																																								
139	130	139	130	Non-English specification	0.00																																																																																																																																																																																								
147	2,520	147	2,520	For filing a request for reexamination	0.00																																																																																																																																																																																								
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	0.00																																																																																																																																																																																								
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	0.00																																																																																																																																																																																								
115	110	215	55	Extension for reply within first month	0.00																																																																																																																																																																																								
116	380	216	190	Extension for reply within second month	0.00																																																																																																																																																																																								
117	870	217	435	Extension for reply within third month	0.00																																																																																																																																																																																								
118	1,360	218	680	Extension for reply within fourth month	0.00																																																																																																																																																																																								
128	1,850	228	925	Extension for reply within fifth month	0.00																																																																																																																																																																																								
119	300	219	150	Notice of Appeal	0.00																																																																																																																																																																																								
120	300	220	150	Filing a brief in support of an appeal	0.00																																																																																																																																																																																								
121	260	221	130	Request for oral hearing	0.00																																																																																																																																																																																								
138	1,510	138	1,510	Petition to institute a public use proceeding	0.00																																																																																																																																																																																								
140	110	240	55	Petition to revive - unavoidable	0.00																																																																																																																																																																																								
141	1,210	241	605	Petition to revive - unintentional	0.00																																																																																																																																																																																								
142	1,210	242	605	Utility issue fee (or reissue)	0.00																																																																																																																																																																																								
143	430	243	215	Design issue fee	0.00																																																																																																																																																																																								
144	580	244	290	Plant issue fee	0.00																																																																																																																																																																																								
122	130	122	130	Petitions to the Commissioner	0.00																																																																																																																																																																																								
123	50	123	50	Petitions related to provisional applications	0.00																																																																																																																																																																																								
126	240	126	240	Submission of Information Disclosure Stmt	0.00																																																																																																																																																																																								
581	40	581	40	Recording each patent assignment per property (times number of properties)																																																																																																																																																																																									
146	690	246	345	Filing a submission after final rejection (37 CFR § 1.129(a))	0.00																																																																																																																																																																																								
149	690	249	345	For each additional invention to be examined (37 CFR § 1.129(b))	0.00																																																																																																																																																																																								
Other fee (specify) <u>Assignment Recordation</u>					40.00																																																																																																																																																																																								
Other fee (specify) _____					0.00																																																																																																																																																																																								
Reduced by Basic Filing Fee Paid					SUBTOTAL (3) (\$)																																																																																																																																																																																								
					40.00																																																																																																																																																																																								
2. <input checked="" type="checkbox"/> Payment Enclosed: <input checked="" type="checkbox"/> Check <input type="checkbox"/> Money Order <input type="checkbox"/> Other																																																																																																																																																																																													
1. BASIC FILING FEE <table border="1"> <thead> <tr> <th>Large Fee Code</th> <th>Entity Fee (\$)</th> <th>Small Fee Code</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr><td>101</td><td>690</td><td>201</td><td>345</td><td>Utility filing fee</td><td>710.00</td></tr> <tr><td>106</td><td>310</td><td>206</td><td>155</td><td>Design filing fee</td><td></td></tr> <tr><td>107</td><td>480</td><td>207</td><td>240</td><td>Plant filing fee</td><td></td></tr> <tr><td>108</td><td>690</td><td>208</td><td>345</td><td>Reissue filing fee</td><td></td></tr> <tr><td>114</td><td>150</td><td>214</td><td>75</td><td>Provisional filing fee</td><td></td></tr> <tr> <td colspan="5">SUBTOTAL (1) (\$)</td> <td>710.00</td> </tr> </tbody> </table>		Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid	101	690	201	345	Utility filing fee	710.00	106	310	206	155	Design filing fee		107	480	207	240	Plant filing fee		108	690	208	345	Reissue filing fee		114	150	214	75	Provisional filing fee		SUBTOTAL (1) (\$)					710.00																																																																																																																																																		
Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	Fee Paid																																																																																																																																																																																								
101	690	201	345	Utility filing fee	710.00																																																																																																																																																																																								
106	310	206	155	Design filing fee																																																																																																																																																																																									
107	480	207	240	Plant filing fee																																																																																																																																																																																									
108	690	208	345	Reissue filing fee																																																																																																																																																																																									
114	150	214	75	Provisional filing fee																																																																																																																																																																																									
SUBTOTAL (1) (\$)					710.00																																																																																																																																																																																								
2. EXTRA CLAIM FEES <table border="1"> <thead> <tr> <th>Total Claims</th> <th>Extra Claims</th> <th>Fee from below</th> <th>Fee Paid</th> </tr> </thead> <tbody> <tr> <td>59</td> <td>-20** = 39</td> <td>18</td> <td>702</td> </tr> <tr> <td>4</td> <td>-3** = 1</td> <td>80</td> <td>80</td> </tr> <tr> <td colspan="2">Multiple Dependent</td> <td></td> <td>0</td> </tr> </tbody> </table> <p>**or number previously paid, if greater; For Reissues, see below</p> <table border="1"> <thead> <tr> <th>Large Fee Code</th> <th>Entity Fee (\$)</th> <th>Small Fee Code</th> <th>Entity Fee (\$)</th> <th>Fee Description</th> </tr> </thead> <tbody> <tr><td>103</td><td>18</td><td>203</td><td>9</td><td>Claims in excess of 20</td></tr> <tr><td>102</td><td>78</td><td>202</td><td>39</td><td>Independent claims in excess of 3</td></tr> <tr><td>104</td><td>260</td><td>204</td><td>130</td><td>Multiple dependent claim, if not paid</td></tr> <tr><td>109</td><td>78</td><td>209</td><td>39</td><td>** Reissue independent claims over original patent</td></tr> <tr><td>110</td><td>18</td><td>210</td><td>9</td><td>** Reissue claims in excess of 20 and over original patent</td></tr> <tr> <td colspan="5">SUBTOTAL (2) (\$)</td> </tr> <tr> <td colspan="5">782.00</td> </tr> </tbody> </table>		Total Claims	Extra Claims	Fee from below	Fee Paid	59	-20** = 39	18	702	4	-3** = 1	80	80	Multiple Dependent			0	Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description	103	18	203	9	Claims in excess of 20	102	78	202	39	Independent claims in excess of 3	104	260	204	130	Multiple dependent claim, if not paid	109	78	209	39	** Reissue independent claims over original patent	110	18	210	9	** Reissue claims in excess of 20 and over original patent	SUBTOTAL (2) (\$)					782.00																																																																																																																																								
Total Claims	Extra Claims	Fee from below	Fee Paid																																																																																																																																																																																										
59	-20** = 39	18	702																																																																																																																																																																																										
4	-3** = 1	80	80																																																																																																																																																																																										
Multiple Dependent			0																																																																																																																																																																																										
Large Fee Code	Entity Fee (\$)	Small Fee Code	Entity Fee (\$)	Fee Description																																																																																																																																																																																									
103	18	203	9	Claims in excess of 20																																																																																																																																																																																									
102	78	202	39	Independent claims in excess of 3																																																																																																																																																																																									
104	260	204	130	Multiple dependent claim, if not paid																																																																																																																																																																																									
109	78	209	39	** Reissue independent claims over original patent																																																																																																																																																																																									
110	18	210	9	** Reissue claims in excess of 20 and over original patent																																																																																																																																																																																									
SUBTOTAL (2) (\$)																																																																																																																																																																																													
782.00																																																																																																																																																																																													

SUBMITTED BY		Complete (if applicable)	
Name (Print/Type)	David G. Latwesen, Ph.D.	Registration No. (Attorney/Agent)	38.533
Signature		Telephone	509-624-4276
		Date	8/16/2001

WARNING:

Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO Assistant Commissioner for Patents, Washington, DC 20231.